

# Advanced Transient Detection System

Surge Protection that Monitors, Measures, and Manages



Emerson Network Power Surge Protection makes it easy to monitor your electrical system by integrating its advanced **Transient Detection System** and monitoring package within its SPDs. The web-based device allows the end-user real time power quality measurements, logged events, statistical summaries and premium power protection. Understanding the severity, type and timing of the event allows you to analyze trends and ultimately better manage your electrical system.



## Technical Specifications

Voltage		Phase A, B, & C
Accuracy		± 1%
Range		0-600V
Average, Unbalance, Crest Factor		Standard
Frequency		Standard
Accuracy		± 1%
Range		45-67 Hz
VTHD		Line-to-Neutral, Line-to-Line
Range		60-850Hz
Harmonics		Line-to-Neutral, Line-to-Line
Range		Fundamental – 13th
RMS		± 1%
SPD Health Status		Percent Remaining
I/O		Standard
Relay Outputs	Single Relay; x2 Form C sets ( NO, COM, NC)	
RJ-45 Port		Ethernet
Terminals (#24-#14)		RS-485 Communication
Events		Power Quality & System
Event Logging		8GB / 1000+ Events
Surge, Sag, Swell, Phase Loss/Outage, Overvoltage, Temporary Overvoltage (TOV), Voltage Interruption/Dropout, Neutral Bond, Voltage Harmonics (VTHD), Over/Under Frequency, Protection Failure		Standard
Date/Time Stamp with Duration/Magnitude		Standard - All events
Surge Counter, Sag Counter, Swell Counter, w/ reset		Standard
Display		LCD 128x64
Communications		RS-485, MODBUS TCP/RTU, Ethernet, SNMP, SMTP, Form C
Embedded Webpage		Standard

## Features

- **Power Quality** – Ability to monitor voltage at every connected panel and track system anomalies such as transients, surges, swells and VTHDs.
- **Real Time Measurements** – Allows over 1000 events/reports to be stored for future analysis
- **Event Logging** – User configurable alarm thresholds, time/date stamp, duration and magnitude of events.
- **Communications** – Information easily accessed through the Ethernet or MODBUS TCP/RTU communications systems
- **Embedded Web Page** - Convenient access to present and past data right at the device.
- **System Analysis** – Manage power system with statistical summaries and reporting software.
- **LCD Display** – with capacitive touch buttons for navigation.

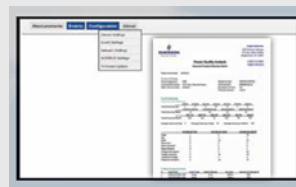
## Embedded Webpage



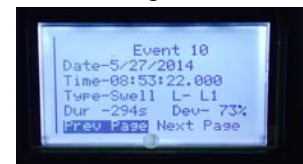
Real-Time Monitoring of Voltages, Event Counts and SPD Health Status



Power Quality Events Measured and Recorded in Detail



Manage Your System with User Configurable Thresholds and Power Quality Reporting



## Emerson Network Power Contact information

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[www.EmersonNetworkPower.com/Surge](http://www.EmersonNetworkPower.com/Surge)



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